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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
09/965,856	10/01/2001	Daisuke Kitazawa	214418US2	4045			
22850	7590	10/01/2007	EXAMINER				
OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C.			NGUYEN, TUAN HOANG				
1940 DUKE STREET		ART UNIT		PAPER NUMBER			
ALEXANDRIA, VA 22314		2618					
NOTIFICATION DATE			DELIVERY MODE				
10/01/2007			ELECTRONIC				

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No.	Applicant(s)
	09/965,856	KITAZAWA ET AL.
	Examiner Tuan H. Nguyen	Art Unit 2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 10 July 2007.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 13-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 13-24 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input checked="" type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____

DETAILED ACTION

1. Claims 1-12 are cancelled.

Response to Arguments

2. Applicant's arguments filed on 07/10/2007 with respect to claims 13-24 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to

consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

5. Claims 13-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rahman (U.S PAT. 6,445,916) in view of Wang et al. (U.S PAT. 6,035,207 hereinafter, "Wang").

Consider claims 13, 16, 19 and 22, Rahman teaches allocating radio resource to radio terminals or communication connections in a radio communication system in which each of said radio terminals or communication connections requires a different communication quality (col. 1 line 66 through col. 2 line 20), said method comprising the steps of: measuring communication qualities of the radio terminals or communication connections (col. 4 lines 6-14).

Rahman does not explicitly show that retrieving a first group including radio terminals or communication connections in which the measured communication qualities are degraded/favorable more than required communication qualities; determining a priority order for allocating radio resource, based on differences between the required communication qualities and the measured communication qualities; and allocating the radio resource to the radio terminals or communication connections of the first group based on the priority order.

In the same field of endeavor, Wang teaches retrieving a first group including radio terminals or communication connections in which the measured communication qualities are degraded/favorable more than required communication qualities (fig. 13

col. 12 line 39 through col. 13 line 18); determining a priority order for allocating radio resource, based on differences between the required communication qualities and the measured communication qualities (fig. 13 col. 12 line 39 through col. 13 line 18); and allocating the radio resource to the radio terminals or communication connections of the first group based on the priority order (col. 6 lines 6-12).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use, retrieving a first group including radio terminals or communication connections in which the measured communication qualities are degraded/favorable more than required communication qualities; determining a priority order for allocating radio resource, based on differences between the required communication qualities and the measured communication qualities; and allocating the radio resource to the radio terminals or communication connections of the first group based on the priority order, as taught by Wang, in order to ensure good channel quality with low cost and complexity while having a high message capacity and being adaptive to changing environments and the resulting demands on the system.

Consider claims 14, 17, 20, and 23, Rahman further teaches the priority order for allocating the radio resource is determined based on a deterioration degree of the measured communication qualities with respect to the required communication qualities (col. 9 lines 35-50).

Consider claims 15, 18, 21, and 24, Rahman further teaches the required communication qualities are communication qualities concerning allowable delay times, transmission rates, or throughputs (col. 8 lines 4-11).

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

7. Any response to this action should be mailed to:

Mail Stop _____ (Explanation, e.g., Amendment or After-final, etc.)

Commissioner for Patents

P.O. Box 1450

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Facsimile responses should be faxed to:

(571) 273-8300

Hand-delivered responses should be brought to:

Customer Service Window

Randolph Building

401 Dulany Street

Alexandria, VA 22313

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan H. Nguyen whose telephone number is (571)272-8329. The examiner can normally be reached on 8:00Am - 5:00Pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Maung Nay A. can be reached on (571)272-7882882. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Art Unit: 2618

Information Consider the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan Nguyen
Examiner
Art Unit 2618

T-N
NAY MAUNG
SUPERVISORY PATENT EXAMINER